

L Number	Hits	Search Text	DB	Time stamp
1	184	(560/330).CCLS.	USPAT; EPO; JPO; DERWENT	2003/05/12 06:24
2	64	(560/338).CCLS.	USPAT; EPO; JPO; DERWENT	2003/05/12 06:24
4	839549	bromine or Br	USPAT; EPO; JPO; DERWENT	2003/05/12 06:24
5	97404	iodine	USPAT; EPO; JPO; DERWENT	2003/05/12 06:24
6	410086	halogen	USPAT; EPO; JPO; DERWENT	2003/05/12 06:24
7	22858	phosgene	USPAT; EPO; JPO; DERWENT	2003/05/12 06:24
8	881423	(bromine or Br) or iodine	USPAT; EPO; JPO; DERWENT	2003/05/12 06:24
9	11587	halogen and phosgene	USPAT; EPO; JPO; DERWENT	2003/05/12 06:24
10	22	(halogen and phosgene) and (("560/330").CCLS.)	USPAT; EPO; JPO; DERWENT	2003/05/12 06:24
11	7	(("560/347").CCLS.) and (bromine or Br)	USPAT; EPO; JPO; DERWENT	2003/05/12 06:24
12	7	(("560/347").CCLS.) and iodine	USPAT; EPO; JPO; DERWENT	2003/05/12 06:24
13	22	(("560/330").CCLS.) and ((bromine or Br) or iodine)	USPAT; EPO; JPO; DERWENT	2003/05/12 06:25
14	17	((halogen and phosgene) and (("560/330").CCLS.)) not ((("560/330").CCLS.) and ((bromine or Br) or iodine))	USPAT; EPO; JPO; DERWENT	2003/05/12 06:25
15	2	4845283.pn.	USPAT; EPO; JPO; DERWENT	2003/05/12 06:25
16	2	4193932.pn.	USPAT; EPO; JPO; DERWENT	2003/05/12 06:25
17	5	"5583251"	USPAT; EPO; JPO; DERWENT	2003/05/12 06:25
18	2	5872278.pn.	USPAT; EPO; JPO; DERWENT	2003/05/12 06:25
19	3	3660261.pn.	USPAT; EPO; JPO; DERWENT	2003/05/12 06:25
20	4	4300774.pn.	USPAT; EPO; JPO; DERWENT	2003/05/12 06:25
21	2	5364958.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
22	2	4465639.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
23	2	5207942.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25

24	2	5208368.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
25	2	4774357.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
26	2	6140382.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
27	2	5583251.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
28	2	5872278.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
29	2	3860261.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
30	3	3660261.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
31	2	6140382.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
32	2	5583251.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
33	2	5872278.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
34	3	3660261.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
35	15	((bromine or Br) or iodine) and ((560/336).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:25
36	86	(560/336).CCLS.	USPAT; EPO; JPO; DERWENT	2003/05/12 06:25
3	224	(560/347).CCLS.	USPAT; EPO; JPO; DERWENT	2003/05/12 06:57
39	881423	(bromine or Br) or iodine	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:59
40	13	((560/347).CCLS.) and ((bromine or Br) or iodine)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 06:59

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	IS&R	L1	184	(560/330).CCLS.	USPAT ; EPO; JPO; DERWE NT	2003/05/12 06:24		
2	IS&R	L2	64	(560/338).CCLS.	USPAT ; EPO; JPO; DERWE NT	2003/05/12 06:24		
3	BRS	L4	83954 9	bromine or Br	USPAT ; EPO; JPO; DERWE NT	2003/05/12 06:24		
4	BRS	L5	97404	iodine	USPAT ; EPO; JPO; DERWE NT	2003/05/12 06:24		
5	BRS	L6	41008 6	halogen	USPAT ; EPO; JPO; DERWE NT	2003/05/12 06:24		
6	BRS	L7	22858	phosgene	USPAT ; EPO; JPO; DERWE NT	2003/05/12 06:24		
7	BRS	L8	88142 3	(bromine or Br) or iodine	USPAT ; EPO; JPO; DERWE NT	2003/05/12 06:24		
8	BRS	L9	11587	halogen and phosgene	USPAT ; EPO; JPO; DERWE NT	2003/05/12 06:24		
9	BRS	L10	22	(halogen and phosgene) and (("560/330").CCLS.)	USPAT ; EPO; JPO; DERWE NT	2003/05/12 06:24		
10	BRS	L11	7	(("560/347").CCLS.) and (bromine or Br)	USPAT ; EPO; JPO; DERWE NT	2003/05/12 06:24		

	Err ors
1	0
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3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
11	BRS	L12	7	((("560/347").CCLS.) and iodine	USPAT; EPO; JPO; DERWE NT	2003/05/12 06:24		
12	BRS	L13	22	((("560/330").CCLS.) and ((bromine or Br) or iodine)	USPAT; EPO; JPO; DERWE NT	2003/05/12 06:25		
13	BRS	L14	17	((halogen and phosgene) and ((("560/330").CCLS.)) not (((("560/330").CCLS.) and ((bromine or Br) or iodine))	USPAT; EPO; JPO; DERWE NT	2003/05/12 06:25		
14	BRS	L15	2	4845283.pn.	USPAT; EPO; JPO; DERWE NT	2003/05/12 06:25		
15	BRS	L16	2	4193932.pn.	USPAT; EPO; JPO; DERWE NT	2003/05/12 06:25		
16	BRS	L17	5	"5583251"	USPAT; EPO; JPO; DERWE NT	2003/05/12 06:25		
17	BRS	L18	2	5872278.pn.	USPAT; EPO; JPO; DERWE NT	2003/05/12 06:25		
18	BRS	L19	3	3660261.pn.	USPAT; EPO; JPO; DERWE NT	2003/05/12 06:25		
19	BRS	L20	4	4300774.pn.	USPAT; EPO; JPO; DERWE NT	2003/05/12 06:25		
20	BRS	L21	2	5364958.pn.	USPAT; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		

	Err ors
11	0
12	0
13	0
14	0
15	0
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
21	BRS	L22	2	4465639.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		
22	BRS	L23	2	5207942.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		
23	BRS	L24	2	5208368.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		
24	BRS	L25	2	4774357.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		
25	BRS	L26	2	6140382.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		
26	BRS	L27	2	5583251.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		
27	BRS	L28	2	5872278.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		

	Err ors
21	0
22	0
23	0
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26	0
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
28	BRS	L29	2	3860261.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		
29	BRS	L30	3	3660261.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		
30	BRS	L31	2	6140382.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		
31	BRS	L32	2	5583251.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		
32	BRS	L33	2	5872278.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		
33	BRS	L34	3	3660261.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		
34	BRS	L35	15	((bromine or Br) or iodine) and ((560/336).CCLS.)	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:25		
35	IS&R	L36	86	(560/336).CCLS.	USPAT ; EPO; JPO; DERWE NT	2003/05/12 06:25		

	Err ors
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
36	IS&R	L3	224	(560/347) .CCLS.	USPAT ; EPO; JPO; DERWE NT	2003/05/12 06:57		
37	BRS	L39	88142 3	14 or 15	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:59		
38	BRS	L40	13	13 and 139	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/12 06:59		

	Err ors
36	0
37	0
38	0

FILE 'HOME' ENTERED AT 06:27:22 ON 12 MAY 2003

=> le caplus

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPLUS' ENTERED AT 06:27:35 ON 12 MAY 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 12 May 2003 VOL 138 ISS 20

FILE LAST UPDATED: 11 May 2003 (20030511/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> isocyanate

55797 ISOCYANATE

19472 ISOCYANATES

L1 63303 ISOCYANATE

(ISOCYANATE OR ISOCYANATES)

=> phosgene

11613 PHOSGENE

33 PHOSGENES

L2 11620 PHOSGENE

(PHOSGENE OR PHOSGENES)

=> lo1 and l2

71 LO1

L3 0 LO1 AND L2

=> l1 and l2

L4 1280 L1 AND L2

=> bromine

44109 BROMINE

139 BROMINES

L5 44195 BROMINE
 (BROMINE OR BROMINES)

=> l4 and l5

L6 9 L4 AND L5

=> d l6 1-9 ti

L6 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2003 ACS

TI The development of acute exposure guideline levels for hazardous substances

L6 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2003 ACS

TI Accidental release prevention

L6 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2003 ACS

TI The Use of Benchmark Dose Methodology with Acute Inhalation Lethality Data

L6 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2003 ACS

TI Incorporation of potential for multi-media exposure into chemical hazard scores for pollution prevention

L6 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2003 ACS

TI Management & design of process exhaust systems in an I/C manufacturing environment for emission minimization

L6 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2003 ACS

TI Performance-oriented packaging standards; changes to classification, hazard communication, packaging and handling requirements based on UN standards and agency initiative

L6 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2003 ACS

TI Air contaminants

L6 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2003 ACS

TI Preparation of aliphatic diisocyanates without using **phosgene**

L6 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2003 ACS

TI dl-7-Azidocephalosporins

=> color

 355514 COLOR

 37050 COLORS

L7 375021 COLOR

 (COLOR OR COLORS)

=> l1 and l7

L8 1369 L1 AND L7

=> l8 and l5

L9 1 L8 AND L5

=> d l9 ti

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

TI High Loading Cellulose Based Poly(alkenyl) Resins for Resin Capture Applications in Halogenation Reactions

=> d 19 ti fbib abs

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
TI High Loading Cellulose Based Poly(alkenyl) Resins for Resin Capture
Applications in Halogenation Reactions
AN 2000:455825 CAPLUS
DN 133:222175
TI High Loading Cellulose Based Poly(alkenyl) Resins for Resin Capture
Applications in Halogenation Reactions
AU Chesney, Antony; Steel, Patrick G.; Stonehouse, David F.
CS Department of Chemistry, University of Durham Science Laboratories,
Durham, DH1 3LE, UK
SO Journal of Combinatorial Chemistry (2000), 2(5), 434-437
CODEN: JCCHFF; ISSN: 1520-4766
PB American Chemical Society
DT Journal
LA English
AB Cellulose-based resins are versatile high-loading resins that may easily
be derivatized to give a variety of functional groups suitable for
applications in polymer-assisted soln. phase synthesis. This technique
involves the sequestration of either product or excess reagents or
byproducts from a reaction mixt. using an insol. polymer. Purifn. can be
achieved by simple filtration and evapn. This, Perloza MT-100 was
modified to give cellulose 3-bromo-2-hydroxypropyl ether and cellulose
3-[[2-[(2-aminoethyl)amino]ethyl]amino]-2-hydroxypropyl ether. A mixt.
of
alkene in anhyd. dichloromethane was added to a soln. of **bromine**
in dichloromethane until a yellow **color** persisted. After 30 min
cellulose 3-bromo-2-hydroxypropyl ether was added and the mixt. became
decolorized. For example, the bromination of styrene gave
(1,2-dibromoethyl)benzene in 95 % yield and in high purity.
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	15.74	15.95
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.65	-0.65

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 06:30:10 ON 12 MAY 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 06:43:07 ON 12 MAY 2003

FILE 'CAPLUS' ENTERED AT 06:43:07 ON 12 MAY 2003
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	15.74	15.95
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-0.65

=> d his

(FILE 'HOME' ENTERED AT 06:27:22 ON 12 MAY 2003)

FILE 'CAPLUS' ENTERED AT 06:27:35 ON 12 MAY 2003

L1 63303 ISOCYANATE
L2 11620 PHOSGENE
L3 0 L01 AND L2
L4 1280 L1 AND L2
L5 44195 BROMINE
L6 9 L4 AND L5
L7 375021 COLOR
L8 1369 L1 AND L7
L9 1 L8 AND L5

=> iodine

117692 IODINE
187 IODINES
L10 117764 IODINE
(IODINE OR IODINES)

=> l4 and l10

L11 10 L4 AND L10

=> d l11 1-10 ti

L11 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Mixtures of diphenylmethane diisocyanates and polyphenylmethylenepolyisocyanates with reduced **iodine** number and reduced chlorine content

L11 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Preparation of MDI-polymethylenepolyphenylene **isocyanate** blends with low **iodine** color number

L11 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Performance-oriented packaging standards; changes to classification, hazard communication, packaging and handling requirements based on UN standards and agency initiative

L11 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Polycarbonate-urethane macromonomers

L11 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Process for the preparation of mixtures of diphenylmethane diisocyanates and polyphenylmethylenepolyisocyanates with a reduced **iodine** number

L11 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Air contaminants

L11 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI 1,3-Dihydroxyureas, part II

L11 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI 1-(3,5-Disubstituted 2,4,6-triiodophenyl)-3-(polyhydroxyalkyl)urea compounds

L11 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Process for obtaining p-chlorophenyl **isocyanate**

L11 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Contrast media (for radiography). II. Substituted derivatives of N-phenylurea

=> l11 and l7

L12 1 L11 AND L7

=> d l12 ti

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

TI Preparation of MDI-polymethylenepolyphenylene **isocyanate** blends with low **iodine color** number

=> d l12 ti fbib abs

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

TI Preparation of MDI-polymethylenepolyphenylene **isocyanate** blends with low **iodine color** number

AN 1992:152606 CAPLUS

DN 116:152606

TI Preparation of MDI-polymethylenepolyphenylene **isocyanate** blends with low **iodine color** number

IN Scherzer, Dietrich; Minges, Roland; Bruchmann, Bernd; Heider, Wolfgang; Van Pee, Willy; Keller, Peter

PA BASF A.-G., Germany

SO Ger. Offen., 7 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4021712	A1	19920109	DE 1990-4021712	19900707
	EP 467125	A1	19920122	EP 1991-110635	19910627
	EP 467125	B1	19940907		
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE				
				DE 1990-4021712	19900707
	ES 2058993	T3	19941101	ES 1991-110635	19910627
				DE 1990-4021712	19900707
	US 5208368	A	19930504	US 1991-723133	19910628
				DE 1990-4021712	19900707
	JP 04253952	A2	19920909	JP 1991-159338	19910701
	JP 2983078	B2	19991129		
				DE 1990-4021712	19900707
	CA 2046365	AA	19920108	CA 1991-2046365	19910705
	CA 2046365	C	19960813		

DE 1990-4021712 19900707

AB In the title process, which avoids the addn. of H₂O, the polyamine mixt. is phosgenated in the presence of polyoxyalkylene alcs. Heating a mixt. of crude methylenedianiline (4,4'- 50, isomers 4.04, and polynuclear homologs 45.96%) 10, excess COCl₂ 8, and PhCl 82 parts and 5% glycerol polyethylene-polypropylene glycol ether (I) (based on crude diamine) at 100-140.degree. for .apprx.20 min, distg. excess COCl₂, cooling to 100-120.degree., and distg. PhCl in vacuo gave a polyisocyanate with I **color** no. 50, NCO content 30.7%, and viscosity 66 mPa-s; vs. 90, 32.1, and 50, resp., in the absence of I.

=> 'd l11 1 ti fbib abs

QUERY PROCESSING INTERRUPTED

The system was temporarily unable to process your query. If this message appears repeatedly, please notify the Help Desk. Enter "HELP STN" for information on contacting the nearest STN Help Desk by telephone or via SEND in the STNMAIL file.

=> d l11 1 ti fbib abs

L11 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2003 ACS

TI Mixtures of diphenylmethane diisocyanates and polyphenylmethylene polyisocyanates with reduced **iodine** number and reduced chlorine content

AN 1997:140186 CAPLUS

DN 126:144660

TI Mixtures of diphenylmethane diisocyanates and polyphenylmethylene polyisocyanates with reduced **iodine** number and reduced chlorine content

IN Scherzer, Dietrich; Bruchmann, Bernd; Minges, Roland; Keller, Peter; Van Pee, Willy; Heider, Wolfgang; Pohl, Siegmund; Otto, Bernhard; Jacobs, Paul; Seyfert, Wilfried

PA BASF A.-G., Germany

SO Eur. Pat. Appl., 8 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	EP 751118	A2	19970102	EP 1996-110026	19960621
	EP 751118	A3	19980513		
	EP 751118	B1	19991013		
	R: AT, BE, DE, DK, ES, FI, FR, GB, IT, LU, NL, PT, SE				
	DE 19523851	A1	19970102	DE 1995-19523851A	19950630
	AT 185554	E	19991015	AT 1996-110026	19960621
				DE 1995-19523851A	19950630
	ES 2138270	T3	20000101	ES 1996-110026	19960621
				DE 1995-19523851A	19950630
	US 6229043	B1	20010508	US 1996-675428	19960626
				DE 1995-19523851A	19950630
	CA 2180285	AA	19961231	CA 1996-2180285	19960628
				DE 1995-19523851A	19950630
	JP 09100263	A2	19970415	JP 1996-169718	19960628
				DE 1995-19523851A	19950630
	CN 1148056	A	19970423	CN 1996-111751	19960628
	CN 1087312	B	20020710		
				DE 1995-19523851A	19950630

AB The prepn. of MDI mixts. and PAPI by phosgenation of the corresponding amines in an inert solvent at high temps. is characterized in that the reaction mixt. after phosgenation, in the presence or absence of **phosgene**, is combined with a mixt. of water and .gtoreq.1 mono- or multifunctional polyoxyalkylene alc. or mixts. of alkoxyated alcs.

After

addn. of the alkoxyated alc. and water mixt., the excess, esp. the residual, **phosgene** and inert solvent are removed, 0-5% phenolic or aryl phosphite antioxidant is added, and the reaction mixt. is treated thermally. Thus, an isomeric mixt. of methylenediphenylene diisocyanates was heated to 130-140.degree. and combined with water and a polypropylene glycol (hydroxy no. 250); the reaction mixt. was heated at 175.degree.

and

the residual **phosgene** and chlorobenzene solvent was distd. The mixt. was dechlorinated to give raw MDI having **iodine** no. 25, total Cl content 1900 ppm, and **isocyanate** content 31.5%.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

28.14

28.35

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-1.95

-1.95

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 06:46:48 ON 12 MAY 2003